

SUMMER WAVE



COLLEGE OF AGRICULTURE & LIFE SCIENCES
COOPERATIVE EXTENSION

**WATER RESOURCES
RESEARCH CENTER**

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The Water Resource Research Center - a research unit of the [College of Agriculture and Life Sciences](#) and an Extension unit in [UA Cooperative Extension](#) within the Division of Agriculture, Life & Veterinary Sciences & Cooperative Extension

WRRC Office Update

Although the WRRC building will be closed to the public until further notice, our staff continue to work and engage as much as possible. You can reach us via email as listed on our [Directory](#). We wish you all the best - Stay safe and healthy!

UArizona Cooperative Extension [COVID-19 info page](#)
WRRC [COVID-19 Articles](#)

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Reflections: Time to Retire the Water Buffalo Symbol?

Your feedback is requested.

I am writing to invite your feedback on an important issue that came up at the Happy Hour discussion I hosted at the Water Resources Research Center's 2020 Annual Conference, *Water at the Crossroads: The Next 40 Years*. On June 18 and 19, 2020, the audience heard distinguished speakers and panelists address the history, current status, and future of Arizona water policy and management. We are grateful for the many individuals who joined us virtually. Keynote addresses, along with panel presentations and discussions, are available at our [conference website](#). In addition to the formal sessions, at the end of the first day, two of our sponsors and I hosted informal Happy Hour discussions. The conversation at the Happy Hour I hosted was quite lively and brought up a controversy that has prompted me to write this *Reflections* essay.

[Read More](#)

WRRR NEWS

2020 WRRR Conference Videos are Posted

Videos have been posted on the [WRRR YouTube channel](#) for the WRRR June 18-19, 2020, virtual annual conference, *Water at the Crossroads: The Next 40 Years*. If you were unable to attend or missed portions of the event, it is not too late to enjoy the timely and thought-provoking presentations and discussions. Speakers reflected on the legacy of the Groundwater Management Act as well as on the current status and future of water management in Arizona. Three of the sessions were facilitated discussions with questions from the audience in addition to those posed by

moderators. Two of the sessions featured several 10-minute-long presentations that highlighted topics relevant to urban, rural, tribal, agricultural, and environmental water management. Because the conference was virtual, the videos offer a realistic rendering of the day. You can also view our sponsors' videos, slides, and all the PowerPoint presentations on our website.



2020 conference [videos](#) and [PowerPoint presentations](#)

JAWRA Publishes WRRC-Based Transboundary Research

May 2020 UArizona PhD graduate Elia Tapia, with her dissertation committee chair WRRC Director Sharon B. Megdal and others, has published an article in the *Journal of the American Water Resources Association* on water conditions in the transboundary Santa Cruz River basin. Focusing on the river and associated aquifer along the stretch from the Nogales International Wastewater Treatment Plant to the Santa Cruz Active Management Area's northern boundary, the article reports on research that assessed the impacts of pumping, effluent discharge, and climate on the regional water budget. A conceptual model, which included a framework developed by co-author Eylon Shamir of the Hydrologic Research Center in San Diego, allowed Tapia to evaluate how increased pumping from projected growth in the area's residential population is likely to affect water resources. The study also reaffirmed the importance of treatment plant discharges, which are largely Mexican in origin. The variability of rainfall in the Upper Santa Cruz River watershed, along with the uncertainty of climate projections, pointed to a future that is equally likely to be wet or much drier. With this project, the authors, Tapia, Shamir, Megdal, and former WRRC research analyst Jacob Petersen-Pearlman, have also demonstrated an accessible methodology that can be applied globally.



[JAWRA Article](#)

An Energetic Engineering Challenge



In the heat of the summer, we can appreciate the extra energy used to help keep us cool, but have you ever thought about all the energy it takes to deliver water to our doorstep? What about all the infrastructure that directs the water to our homes and businesses? Most people don't give our water management systems a second thought. We turn on the tap and water seems to magically appear.



Read the [article](#)

[Arizona Project WET](#)

WRRC Research Analyst Accepts 2020 Flinn-Brown Fellowship

We are excited to announce the achievement of one of our own: Ashley Hullinger, WRRC Research Analyst, who will participate in the 2020 Flinn-Brown Fellowship program. The Flinn-Brown Fellowship offers an unparalleled opportunity to learn about Arizona policy and politics, as well as to connect with top state leaders and policy experts. Ashley will join the prestigious Flinn-Brown Network, which provides personalized long-term support for civic-leadership development. Honored by her inclusion in this talented and accomplished group of Fellows, Ashley will use this platform to

promote and grow sustainable water management strategies in Arizona, especially in rural parts of the state. Congratulations , Ashley!

Learn more about the [Flinn-Brown Fellowship and Network](#)



Claire Zucker to be Director, PCCE

We are excited to share the news that Claire Zucker has been selected to be the new Director of Pima County Cooperative Extension, part of the UArizona Cooperative Extension System. She joined the WRRRC in 2015 as Program Director of the Water, Environmental, and Energy Solutions (WEES) Initiative, later served as Associate Director, and more recently as Acting Director, during Director Sharon B. Megdal's Spring semester sabbatical. All who worked with her have valued Claire's leadership, high-quality work, and cheerful attitude. The Technology Research Initiative Program-funded WEES initiative has benefitted tremendously from Claire's dedication to quality research and programming. Claire's contributions to the WRRRC are too many to list, but we would be remiss if we did not extend Claire a huge thanks for her predominant role in organizing the successful virtual June 2020 WRRRC Annual Conference. We look forward to working with her in her new capacity and invite you to join all of us at the WRRRC in wishing her the very best. Claire's email contact information will remain clzucker@arizona.edu.



[Pima County Cooperative Extension](#)

ANNOUNCEMENTS

- [Santa Cruz AMA Draft 4th Management Plan available for review and comment](#)
- [Pinal AMA Draft 4th Management Plan available for review and comment](#)
- [Arizona Water Protection Fund \(AWPF\): Commission will not have a Grant Cycle for FY21](#)
- [July 13-24: AZ Water 93rd Annual Conference](#)
- [July 14: The US Israel Binational Agricultural Research and Development Fund - Application Webinar](#)
- [July 15: AWRA Webinar: Developing Pathways To Solutions To Wicked Water Problems Free to UCOWR and AWRA members](#)
- [July 20: 5th Management Plan Agricultural Subgroup Meeting](#)
- [July 22: AWRA Two-Part Workshop Series - Diversity, Equity, and Inclusion: Part 1 - Inclusion by Design](#)
- [July 28, 2020: 5MP Management Plan Municipal Subgroup Meeting](#)
- [July 29: AWRA Two-Part Workshop Series - Diversity, Equity, and Inclusion: Part 2 - Inclusive Leadership](#)
- [Aug 13-14: Arizona Water Law 29th Annual Conference - New Virtual Format](#)
- [Sept 28-30: Groundwater Protection Council 2020 Annual Forum - Save the Date](#)
- [Oct 7-9: BSMAR 17 Symposium- Registration Open](#)
- [Oct 14-15: 2020 Transboundary Groundwater Conference - Save the Date](#)

- [Oct 16: RiversEdge West Annual Research and Management Conference - Abstracts Due](#)
- [Nov 7: Research Insights in Semiarid Ecosystems \(RISE\) Symposium - Registration Open](#)
- [Nov 9-12: AWRA 2020 Annual Water Resources Conference](#)
- [Jan 5-8, 2021: NCSE 2021 Annual Conference - Hot Water: Science and Solutions for a Planet Under Pressure - Save the Date](#)
- [May 9-14, 2021: IWA World Water Congress & Exhibition Water for Smart Liveable Cities \(Copenhagen\)](#)
- [June 13-16, 2021: ACE20](#)

NEW PUBLICATIONS

- [Circle of Blue: Remarkable Drop in Colorado River Water Use a Sign of Climate Adaptation](#)
- [Water & Tribes Initiative | Colorado River Basin: Toward a Sense of the Basin](#)
- [Hydrodiplomacy and adaptive governance at the U.S.-Mexico border: 75 years of tradition and innovation in transboundary water management](#)

[Visit Our Website](#)